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October 3, 2017

## MEMORANDUM

- TO: Power Committee
- FROM: Mike Starrett
- SUBJECT: Regional Solar Development & PURPA

## **BACKGROUND:**

- Presenter: Mike Starrett, Analyst
- Summary: The majority of utility scale solar operating within the region has come online within the last five years. This resource is now over 300 MW and the pipeline of proposed new solar is at GW scale. Nearly all of this development has been and would be owned by third parties who sell their energy to utilities through PPAs made available on the account of the Public Utility Regulatory Policies Act of 1978 (PURPA). PURPA requires that utilities purchase all energy from qualifying facilities QFs (primarily renewables, and all smaller than 80 MW) at a rate known as the utility's avoided cost. The avoided cost is the price the utility would have paid "but for" the purchase of energy from the QF.

Differences in utility-specific published avoided costs and state level policy across region has led to very geographically clustered development. Oregon and Idaho have seen the most PURPA development thus far with very little activity in Washington and Montana. This presentation will describe the conditions which have led to significant PURPA development, how that has changed in the states where PURPA resources have come online, and how that may be changing in states which have not yet seen substantial development.







The vast majority of NW solar has been built in the last 5 years						
Addition	<u>s in 2015 (ivivv):</u>	Posidontial	Commercial	Inductrial	Cumulativa	
		Residential	Commercial	muustnai	Cumulative	
	Oregon	46	38	3.25	87	
	Washington	52	9	0.05	61	
	Idaho	3.5	2	.1	5.5	
	Montana	5	2.25	0	7	
	PNW Region	106.5	51.25	3.4	161	
Northwest Power and Conservation Council						













